ch-1- to chy

SEVEN STAR INTERNATIONAL SCHOOL BANI Class- 10th (Mathematics) PT-1

Time Allowe	d: 1:30 Hrs.			Maximum Marks: 40
General Instru	uctions. Depos bac 4 Sec	tions A-D.		
1. This Ques	tion raper has rock	ing I mark each	110	
3. Section B	has 5 questions carr	rying 02 marks each. rying 03 marks each. rying 05 marks		
- Ction D	has I questions can	July 05 man		
6. All Question	ons are compulsory.	SECTION	ON A	
		Consists of 10 question	one of 1 mark each.	
	· · · · · · · · · · · · · · · · · · ·	n be expressed as $p = al$	a^2 and $a^2 = a^3 b$; a, b being	prime numbers, then
	integers p and q ea			
LCM(p,q).	(b) a^2b^2	$(c)a^3b^2$	(d) a^3b^3	
ab	aber which divides	70 and 125, leaving rem	ainders 5 and 8, respective	ely is: 70-5-65 H(F
	A) 65	(c)8/5	(d) 2.55	10-8-11
(a) 13	ro of the polynomia	al $(k^2 + 4)x^2 + 13x + 4$	4k is reciprocal of the oth	er then $k = ?$
3. If one of the zer	(b) 1	(c) -1	(d) -2	Graduat of Justs 21
(a) 2	(0) 1	1/(1 + 3x + 7)	then $\frac{1}{2} + \frac{1}{2} = \frac{2}{2} + \frac{1}{2}$	E - 2 x 12
4. If α and β are the	ne zeros of the poly	ynomiai 4x 1/3x 1/7.	then $\frac{1}{\alpha} + \frac{1}{\beta} = \frac{\sqrt{+\beta}}{\sqrt{\beta}}$	K
$(a)^{\frac{7}{2}}$	(b) $-\frac{7}{3}$	$(c)\frac{3}{7}$	$\frac{3}{7}$	
5 A quadratic noly	momial whose sur	n and product of zeroes	are -5 and 6 is	3334
5. A quadratic pory				
$(a)x^2 - 5x$	6	(b) $x^2 + 5x - 6$	$(c)x^2 + 5x + 6$ (d)) none of these
			$x^2 + 4x + k = 0 \text{ are rea}$	
	or which the root	s of quadratic equation	A (de	0.7 1) $k \le -4$
(a) $k \ge 4$	(b) k'≤	≤ 4 (c) $k \geq$	<u>-4</u> (0	1) K \(\left\) -4
7. The value of k for	or which the syste	x + 2y	y = 3 and 5x + ky + 7	= 0 has no solution
(a) 10		(c) 3	(d) 1	02 = 6
			umber obtained by inter	changing its digit e
			Nw.	nber 104+8, hese 44y=12 (104+4) - (104
the given number b				hty=12
(a) 72	(b) 75	(c) 57	(d) none of the	nese
		A CONTRACTOR		(109+4) -(104
9. Five years ago, I	Baljeet was thrice	as old as Vikram and	ten years later Baljeet s	hall be twice as old
, then the present a				
	A	le franchischer Control		The state of the s
(a) 20	(b) 50	(c)30	(d) none of th	iese
			The second secon	





